equation; a step of determining the indoor behavior of the compound from the fugacity of the compound in each of the media; a step of changing, in response to a fluctuation in mass balance of the compound indoors, a minute time unit used when solving the differential equation; and a step of evaluating, according to the indoor behavior of the compound, safety of the compound with respect to the human body.

IN THE CLAIMS:

Please delete claims 1 and 19 without prejudice or disclaimer.

Please amend claim 2, 3, 5, 7 and 20 as follows:

C1

2. (Amended) A simulation method according to claim 37, further comprising a step of evaluating safety of said compound with respect to a human body according to the indoor behavior of said compound.

3. (Amended) A simulation method according to claim 37, wherein said compound is introduced into an indoor space as a solution containing said compound is residually sprayed; and

wherein said media are a spraying site, suspended particles which are divided into at least one kind according to size, indoor air, a floor, a wall, and a ceiling.

C2

5. (Amended) A simulation method according to claim 37, wherein said compound is introduced into an indoor space as a solution containing said compound is spatially sprayed; and

wherein said media are suspended particles which are divided into at least one kind according to size, indoor air, a floor, a wall, and a ceiling.

C3

7. (Amended) A simulation method according to claim 37, wherein said compound is introduced into an indoor space as a solution containing said compound is heated to vaporize; and

wherein said media are condensed particles which are divided into at least one kind according to generation and extinction, high-concentration air, medium-concentration air, low-concentration air, a floor, a wall, and a ceiling which is divided into at least one kind according to compound concentration.

C3

20. (Amended) A computer program product according to claim 42, further comprising, in said program area,

C4

a program for evaluating safety of said compound with respect to human-body according to the indoor behavior of said compound.

23. (Amended) A computer program product according to claim 42, wherein said compound is introduced into an indoor space as a solution containing said compound is spatially sprayed; and

C5

wherein said media are suspended particles which are divided into at least one kind according to size, indoor air, a floor, a wall, and a ceiling.

Please add new claims 37-42 as follows:

37. (New) A method of stimulating an indoor behavior of a pesticidal compound, said simulation method comprising:

C6

a step of dividing an indoor environment into predetermined medias;

a step of determining under a differential equation, the fugacities of said compound in each of said medias, wherein the fugacities are determined in at least one term selected from emission rate, deposition, V-change, transference, ventilation and degradation;

a step of determining at least one indoor behavior of said compound in the indoor environment from the fugacities of the compound in each of said medias, wherein said at least one indoor behavior is selected from a temporal concentration and residual amount; and

a step of confirming the mass balance of the compound.

38. (New) The method according to claim 37, wherein at least one of the fugacities of the compound in each of the medias is determined in terms of V-change, transference and degradation.

39. (New) The method according to claim 37, wherein at least one of the fugacities of the compound in each of the medias is determined in terms of ventilation, transference and degradation.

40. (New) The method according to claim 37, wherein at least one of the fugacities of the compound in each of medias is determined in terms of V-change, deposition, transference and degradation.

41. (New) The method according to claim 37, wherein at least one of the fugacities of the compound in each of the medias is determined in terms of emission rate.

42 (New) A computer program product comprising in a program area:

a program for dividing an indoor environment into predetermined medias;

a program for determining under a differential equation, the fugacities of said compound in each of said medias, wherein the fugacities are determined in at least one term selected from emission rate, deposition, V-change, transference, ventilation and degradation;

a program for determining at least one indoor behavior of said compound in the indoor environment from the fugacities of the compound in each of said medias, wherein said at least one indoor behavior is selected from a temporal concentration and residual amount; and

a program for confirming the mass balance of the compound.

Please see the Appendix for amendments.